

CLAIMS

1. A method of producing zeolite comprising:

adding an aqueous alkaline solution to incineration ash  
5 or a composition containing aluminosilicate to form a  
mixture in the form of slurry or mud;

heating said mixture; and

directly irradiating said mixture with electromagnetic  
waves having frequencies ranging from 300MHz to 30GHz, while  
10 continuously moving said mixture, thereby forming the  
zeolite.

2. The method of producing zeolite according to claim 1,  
wherein said composition is natural zeolite or zeolite which  
has not been converted into phillipsite.

15 3. An apparatus for producing zeolite comprising:

kneading means for adding an aqueous alkaline solution  
to incineration ash or a composition containing  
aluminosilicate to form a mixture and for kneading the  
mixture;

20 heating means for heating the mixture kneaded by said  
kneading means;

electromagnetic wave irradiation means for irradiating  
said heated mixture with electromagnetic waves to form  
zeolite;

25 cleaning means for cleaning said zeolite formed by the

electromagnetic wave irradiation; and

drying means for drying the cleaned zeolite.